

FIG. 1

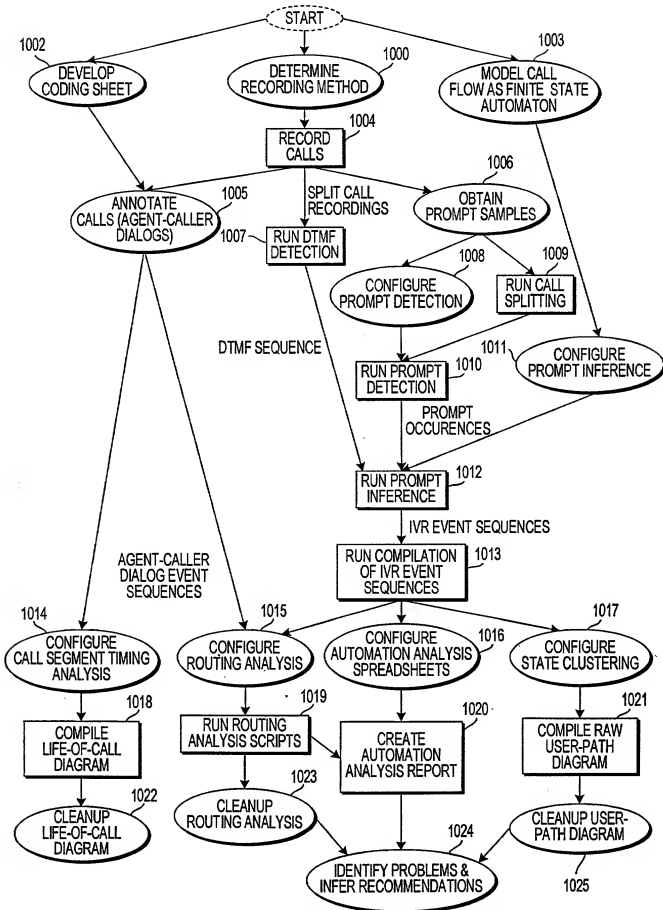


FIG. 1A

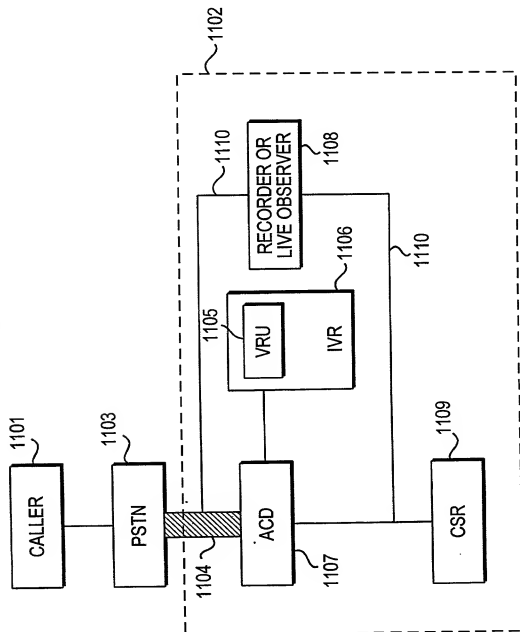


FIG. 2A

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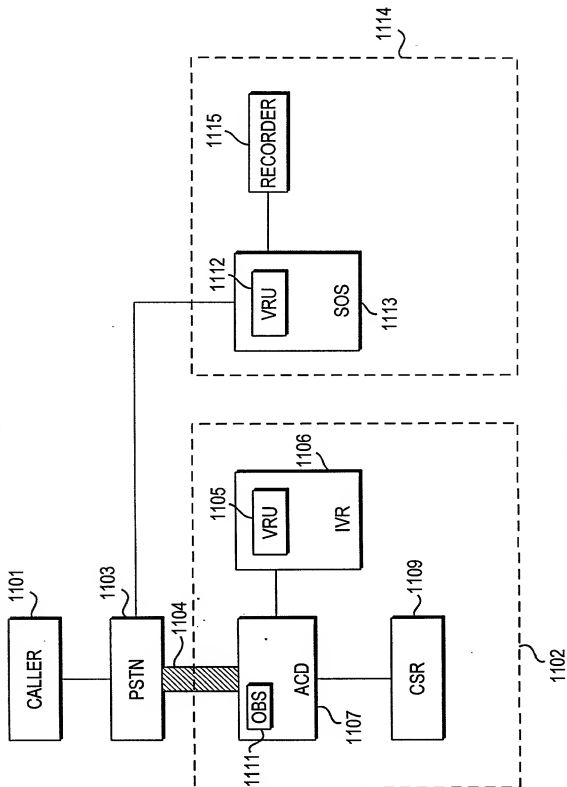


FIG. 2B

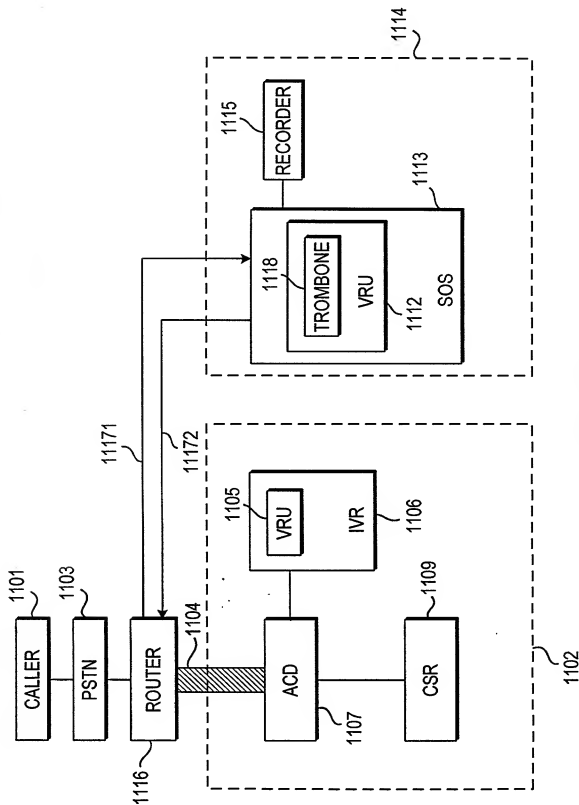


FIG. 2C



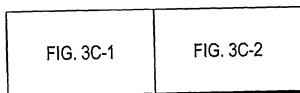


FIG. 3B

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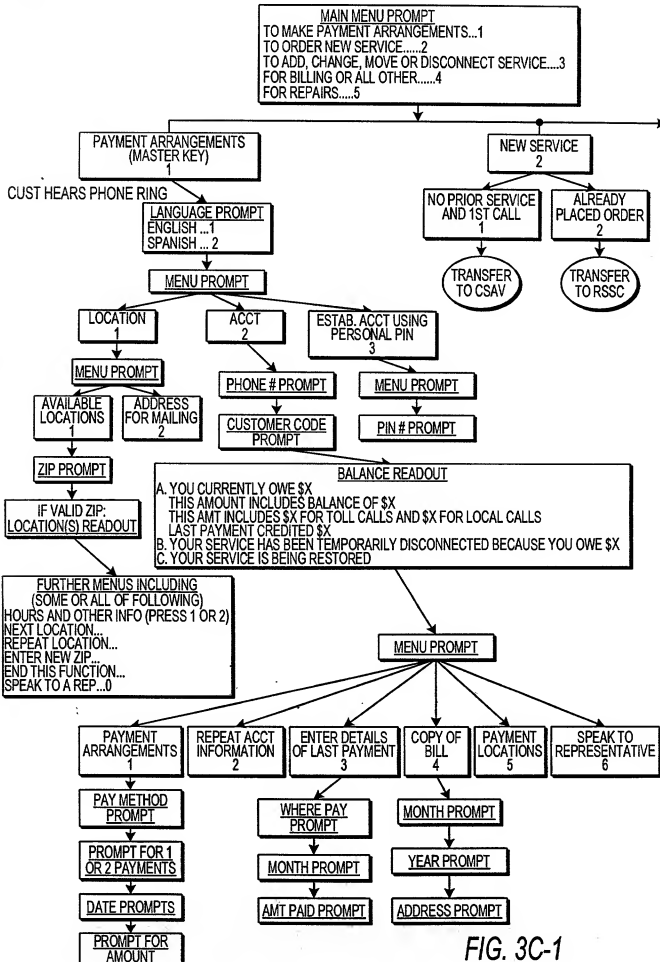


FIG. 3C-1

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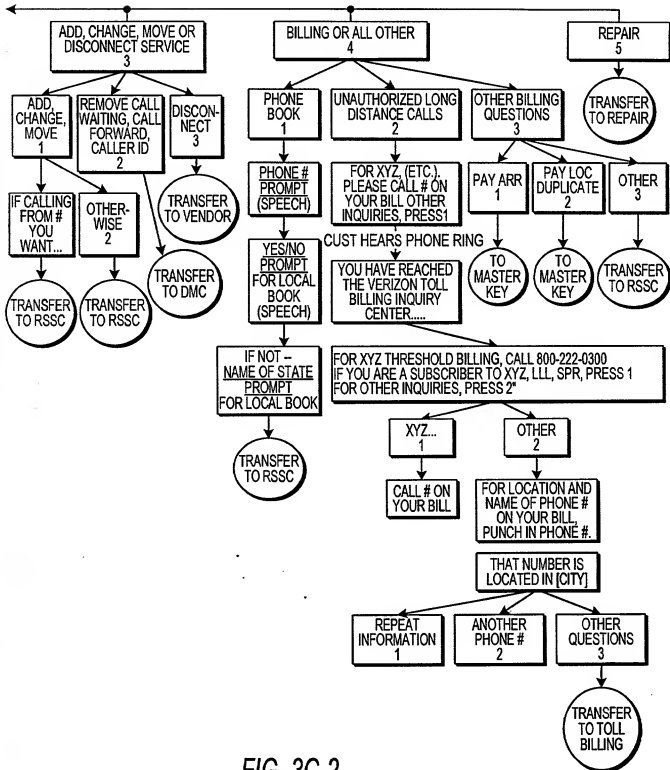


FIG. 3C-2

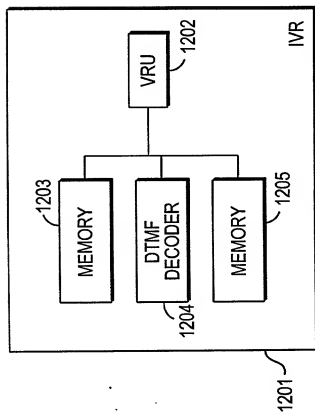


FIG. 3D

20105014206001

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STATE	TIME	OUTCOME
CALL ARRIVAL	##:##:##	DATE; CALLER IDENTIFICATION
INITIAL MENU	##:##:##	TOUCH TONE SELECTION, E.G., 3
TELEPHONE NUMBER PROMPT	##:##:##	TOUCH TONE NUMBERS PRESSED, E.G., 617-555-1212
VALIDATE TELEPHONE NUMBER	##:##:##	INVALID NUMBER
TELEPHONE NUMBER RE-PROMPT	##:##:##	TOUCH TONE NUMBERS PRESSED
VALIDATE TELEPHONE NUMBER	##:##:##	VALID NUMBER
MENU 1	##:##:##	TOUCH TONE SELECTION
QUERY A	##:##:##	TOUCH TONE NUMBERS PRESSED
QUERY B	##:##:##	TOUCH TONE NUMBERS PRESSED
MENU 2	##:##:##	TOUCH TONE SELECTION
TRANSFER TO AGENT	##:##:##	TRANSFER QUEUE (CALLER ON HOLD)
IVR END	##:##:##	TRANSFER COMPLETED

FIG. 3E

UNIQUE ID	TIME	STATE	DATE	OUTCOME
212-123-4567	###,##	CALL ARRIVAL	DATE	
212-123-4567	###,##	INITIAL MENU	TOUCH TONE SELECTION	
212-123-4567	###,##	ACCOUNT NO. PROMPT	TOUCH TONE NUMBERS PRESSED	
212-123-4567	###,##	VALIDATE NUMBER	INVALID	
212-123-4567	###,##	ACCOUNT NO. RE-PROMPT	CALL TERMINATED BY CALLER	
201-321-4567	###,##	CALL ARRIVAL	DATE	
201-321-4567	###,##	INITIAL MENU	TOUCH TONE SELECTION	
201-321-4567	###,##	ACCOUNT NO. PROMPT	TOUCH TONE NUMBERS PRESSED	
201-321-4567	###,##	VALIDATE NUMBER	VALID	
201-321-4567	###,##	MENU 1	TOUCH TONE SELECTION	
201-321-4567	###,##	TRANSFER TO AGENT	TRANSFER COMPLETED	
617-987-6543	###,##	CALL ARRIVAL	DATE	
617-987-6543	
617-987-6543	###,##	ACCOUNT BALANCE	INFORMATION DELIVERED	
617-987-6543	###,##	MENU 3	TOUCH TONE ELECTION	
617-987-6543	###,##	TRANSFER TO AGENT	TRANSFER QUEUE (CALLER ON HOLD)	
617-987-6543	###,##	IVR END	CALL TERMINATED BY CALLER	

FIG. 3F

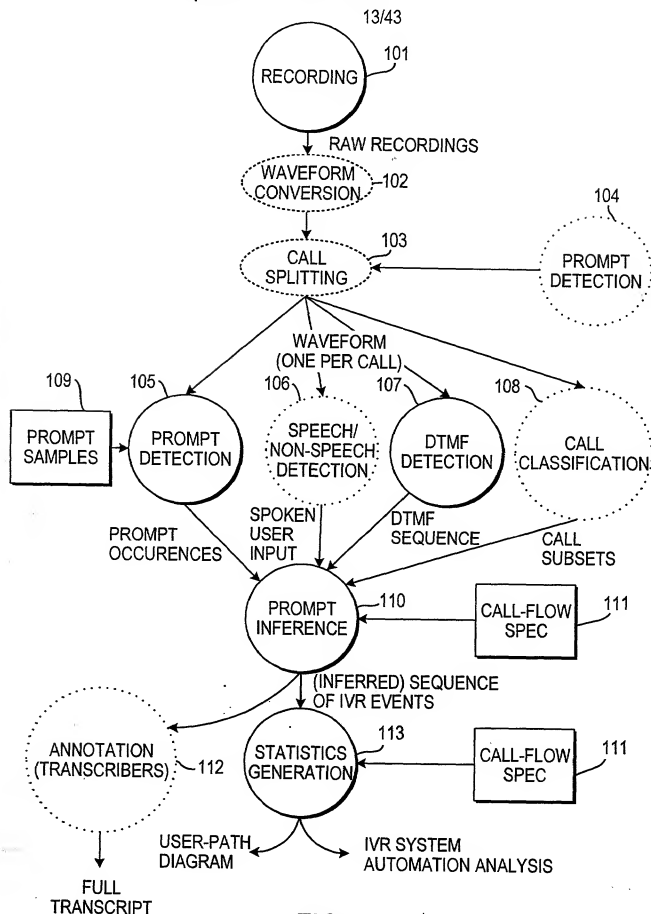


FIG. 4

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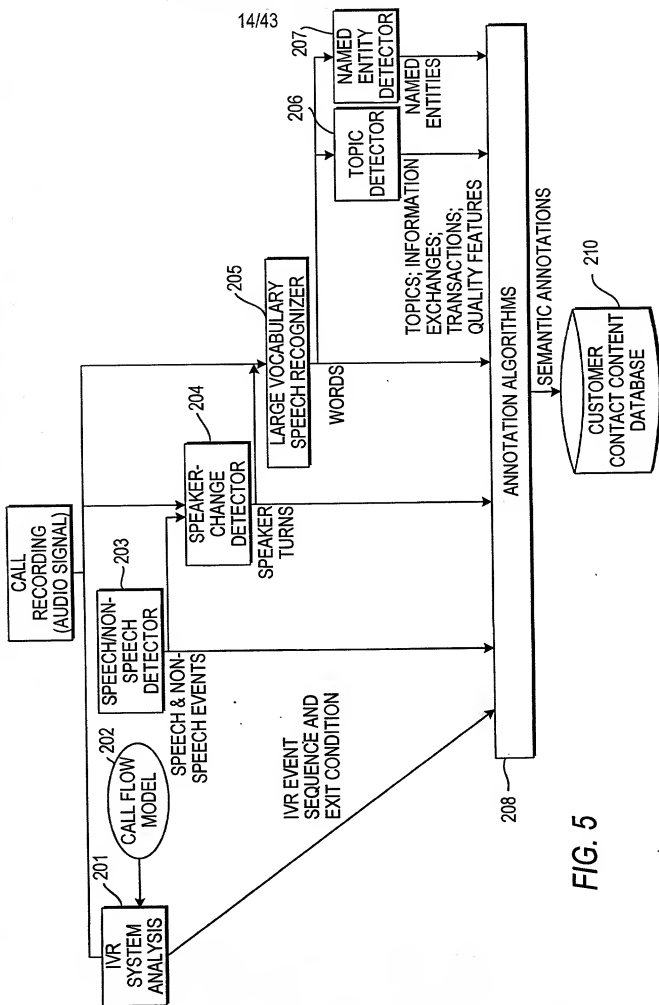


FIG. 5

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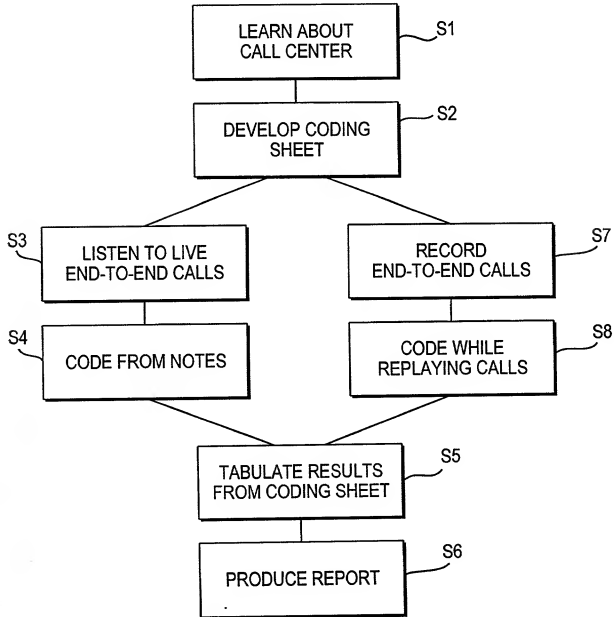
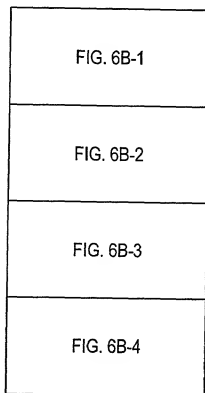


FIG. 6A

FIG. 6B



201DEC 14 2006001

CALL NUMBER	10	38	63	64	M-10	M-33	M-71	M-130	M-178	M-215
TRANSMITTER	VT	VT	VT	VT	MW	MW	MW	MW	MW	MW
DATE:	12/14/1996	12/17/1996	12/19/1996	27 DEC						
PHONE #	272/234567	201/234567	914/234567	914/234567	914/234567	914/234567	914/234567	914/234567	914/234567	914/234567
SEX OF CALLER										
CLOCK TIME (END OF INTERACTION)	15:38 PM	12:03 PM	12:40 PM	2:21 PM	12:41 PM	14:50:41	14:30:57	9:46:48	12:10:21	12:01:11
DURATION OF INTERACTION (WHOLE MIN)	6	12	10	4	4	0	1	4	9	3
DURATION OF ENTIRE CALL (WHOLE MIN)	6	12	11	5	3	3	3	12	88	5
WAS THIS A FULLY AUTOMATED CALL?	0	0	0	0	0	0	0	0	0	0
DID CALL INVOLVE AN AGENT?	0	1	1	1	1	1	1	1	1	1
DEBUG	0	0	0	0	0	0	0	0	0	0
IVR SUMMARY (MENU CHOICES)	4	3 1	3 1	4 0 (INVALID)	BILLING, OTHER	ADDCCHANGE	REPAIR	NEW 0	NEW	BILLING, OTHER
USE WORDS "PHONE #", "RING", "FAST BUSY"	3	PHONE NO	3	3	OTHER	ADDCCHANGE		INPUT NUMBER 22	OTHER	OTHER
HANG UP "ROTARY"	0	0	0	3	4 3 3	3 1 9736723626		0	0	4 3 3
DID CALLER TRY TO HANG UP?	0	0	0	0	0	0	0	0	0	0
WAS CALL INCOMPLETE (0 FUNCTIONS?)	0	0	0	0	0	0	0	0	0	0
IF 1, INDICATE WHICH ONE APPLIES										
ABANDON AT START OF IVR (RINGING OR INTRO)										
ABANDON AT PHONE # PROMPT										
ABANDON AT CUSTOMER ID PROMPT										
ABANDON AT OTHER PROMPT										
ABANDON WHILE RINGING FOR AGENT										
ABANDON AT "ALL OUR AGENTS ARE CURRENTLY"										
ABANDON AT "FAST BUSY OR SYSTEM BUG"										
UNUSUALLY HEAVY CALL VOLUMES										
WHERE IN IVR DID THEY ABANDON										
1 MASTERKEY										
2 NEW SERVICE										
3 ADD CHANGE										
4 BILLING OTHER										
5 REPAIR										
IF CALLER GOT TO AN AGENT, HOW?										
BY ROTARY PHONE (0 TONES PRESSED)?										
BY AUTO TRANSFER BASED ON PHONE NUMBER?										
THROUGH INTRODUCTION BY PREVIOUS AGENT?										
IN IVR THROUGH INVALID TIMEOUT?										
IN IVR THROUGH A VALID NONZERO TRANSFER?	0	1	1	1	1	0	0	0	1	1
BY PRESSING "0"										
OTHER (DIDN'T CATCH IT)										
INDICATE MENU CHOICES MADE IN IVR										
1. PAY ARRANGEMENTS (MASTER KEY)										
2. 1 ORDER NEW SERVICE (WELCOME CENTER)										

FIG 6B-1

Express Mail No. EL029404307US

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[illegible][illegible]

FIG. 6B-2

FIG. 6B-3

[illegible]

FIG. 6B-4

1-4007; Daniel McCarthy et al.
 APPARATUS AND METHOD FOR MONITORING
 PERFORMANCE OF AN AUTOMATED RESPONSE
 SYSTEM
 Express Mail No. EL029404307US

22/43

	A	C	D	E
1	CALL NUMBER	ALL CALLS STATISTICS		
2	TRANSCRIBER			
3	DATE:			
4	PHONE #:			
5	SEX OF CALLER:			
6	CLOCK TIME (END OF INTERACTION)			
7	DURATION OF INTERACTION (WHOLE MIN)	5.123042506	0%	
8	DURATION OF ENTIRE CALL (WHOLE MIN)	7.548098434	0%	
9	WAS THIS A FULLY AUTOMATED CALL?	14	3%	
10	DID CALL INVOLVE AN AGENT?	339	447	
11				
12	IVR SUMMARY: (MENU CHOICES)	0	0%	
13	(USE WORDS: "PHONE #" "RING" "FAST BUSY"	0	0%	
14	"HANG UP" "ROTARY"	0	0%	
15				
16	DID CALLER TRY 0 AND FAIL?	30	7%	
17	WAS CALL INCOMPLETE (0 FUNCTIONS?)	94	21%	
18	[IF 1, INDICATE WHICH ONE APPLIES]	0	0%	
19	ABANDON AT START OF IVR (RINGING OR INTRO)	0	0%	
20	ABANDON AT PHONE # PROMPT	4	1%	
21	ABANDON AT CUSTOMER ID PROMPT	2	0%	
22	ABANDON AT PROMPT	22	5%	
23	ABANDON WHILE RINGING FOR AGENT	2	0%	
24	ABANDON AT "ALL OUR AGENTS ARE CURRENTLY"	4	1%	
25	ABANDON AT FAST BUSY OR SYSTEM BUG	14	3%	
26	UNUSUALLY HEAVY CALL VOLUMES	17	4%	
27	OTHER:	29	6%	
28	WHERE IN IVR DID THEY ABANDON			
29	1 MASTERKEY	20	4%	
30	2 NEW SERVICE	3	1%	
31	3 ADD/CHANGE	13	3%	
32	4 BILLING/OTHER	12	3%	
33	5 REPAIR	2	0%	
34	OTHER	18	4%	
35				
36	[IF CALLER GOT TO AN AGENT, HOW?]	0	0%	
37	BY ROTARY PHONE (0 TONES PRESSED)?	62	14%	
38	BY AUTO TRANSFER BASED ON PHONE NUMBER?	0	0%	
39	THROUGH INTRODUCTION BY PREVIOUS AGENT?	0	0%	
40	IN IVR THROUGH IVALID/TIMEOUT?	28	6%	
41	IN IVR, THROUGH A VALID NONZERO TRANSFER?	228	51%	
42	BY PRESSING "0"	19	4%	
43	OTHER (DIDN'T CATCH IT)	2	0%	
44	INDICATE MENU CHOICES MADE IN IVR	0	0%	
45	1. PAY ARRANGMENTS (MASTER KEY)	12	3%	
46	2-1 ORDER NEW SERVICE (WELCOME CENTER)	28	6%	
47	2-2 NEW SERVICE - FOLLOW -UP	37	8%	
48	3-1 ADD/ADD	64	14%	
49	3-2 ADD/REMOVE	12	3%	

FIG. 6C-1

20120420 14:20:00

23/43

	A	C	D	E
50	3-3 DISCONNECT	11	2%	
51	4-1 BILLING/PHONE DIRECTORY	1	0%	
52	4-2 BILLING/ UNAUTHORIZED CALLS	11	2%	
53	4-3-1 BILLING/OTHER/PAY/MASTER K	3	1%	
54	4-3-2 BILLING/OTHER/MASTER KEY	11	2%	
55	4-3-3 BILLING/OTHER/OTHER	71	16%	
56	5 REPAIR (REPAIR CENTER)	14	3%	
57	1-2 (SPANISH)	1	0%	
58	INDICATE FUNCTIONS COMPLETED IN IVR	0	0%	
59	PAYMENT CENTER LOCATION	3	1%	
60	PAYMENT CENTER HOURS	0	0%	
61	PAYMENT MAILING ADDRESS	2	0%	
62	ACCOUNT INFORMATION	14	3%	
63	ESTABLISH ACCT USING PIN	0	0%	
64	PAYMENT ARRANGEMENTS	1	0%	
65	ENTER DETAILS OF LAST PAYMENT	0	0%	
66	COPY OF BILL	0	0%	
67	ORDER PHONE DIRECTORY	0	0%	
68	IDENTIFY UNAUTH CALL	4	1%	
69	GET 800 # TO IDENTIFY UNAUTH CALLS-ETC.	3	1%	
70				
71	AGENT CALL SUMMARY: (PROBLEM + SOLUTION)			
72				
73				
74	COULD THIS HAVE BEEN DONE IN MK/TB	24	5%	
75				
76	I. DID AGENT PERFORM AUTOMATED FUNCTIONS?	25	6%	
77	INDICATE WHICH ONES			
78	PAYMENT CENTER LOCATION	0	0%	
79	PAYMENT CENTER HOURS	0	0%	
80	PAYMENT MAILING ADDRESS	0	0%	
81	ACCOUNT INFORMATION	9	2%	
82	ESTABLISH ACCT USING PIN	0	0%	
83	PAYMENT ARRANGEMENTS	5	1%	
84	ENTER DETAILS OF LAST PAYMENT	0	0%	
85	COPY OF BILL	5	1%	
86	ORDER PHONE DIRECTORY	1	0%	
87	IDENTIFY ABC UNAUTH CALL	5	1%	
88	IDENTIFY XYZ ETC. UNAUTH CALL	0	0%	
89				
90	II. DID AGENT DO POTENTIALLY AUTO FUNCTIONS?	16	4%	
91	INDICATE WHICH ONES			
92	FIND TOLL CALL RANGE	8	0%	
93	REQUEST CALLING CARD			
94	GET VOICE MAIL ACCESS #	3	0%	
95	GET 3+2 DIGIT NUMBER ON BILL	2	0%	
96	GET INFO ON RATES-BY MAIL OR SEE DIRECT	0	0%	
97	GET ADDRESS FOR WRITING TO REFUTE BILL	0	0%	

FIG. 6C-2

10090234-030402

1-4007; Daniel McCarthy et al.
 APPARATUS AND METHOD FOR MONITORING
 PERFORMANCE OF AN AUTOMATED RESPONSE
 SYSTEM
 Express Mail No. EL029404307US

24/43

	A	C	D	E
98	OTHER: (POTENTIALLY AUTOMATABLE)	3	0%	
99				
100	III. DID AGENT DO NON-AUTOMATED FUNCTIONS?	220	49%	
101	[INDICATE WHICH ONES]			
102	PAYMENT ARRANGEMENTS	5	1%	
103	NEW SERVICE- EXPLAINS 2 PARTS NEEDED	21	5%	
104	NEW SERVICE FOLLOW UP (NOT DISCONNECT)	10	2%	
105	CHECK ON STATUS OF PENDING ORDER	6	0%	
106	SALES (PKGS, SERVICES, LINES, JACKS, ETC)	65	15%	
107	SALES (REMOVE FEATURE- AGENT ASKS WHY)	16	4%	
108	DISCONNECT (AND FORWARD CALLS)	9	2%	
109	EXPLAIN BILL	25	6%	
110	REMOVE UNAUTHORIZED CALL FROM BILL	4	1%	
111	REMOVE OTHER CHARGES FROM BILL	2	0%	
112	CONFIRM TODAY'S REPAIR SCHEDULE	3	1%	
113	SCHEDULE A VISIT WIHT REPAIRMAN	8	2%	
114	TELL HOW/WHEN TO USE FEATURES THEY OWN	12	3%	
115	OTHER	34	8%	
116	WAS THIS CALL CODED ABOVE?	675	57%	
117	DID AGENT SEE CALL AS MISDIRECTED?	81	18%	
118	DID AGENT TRANSFER THE CALL?	82	18%	
119	IV. IF TRANSFERRED, TO WHAT DESTINATION?	0	0%	
120	800-281-8584 MASTER KEY	0	0%	
121	800-275-2355 REPAIR	12	3%	
122	800-287-9933 COLLECTION CENTER	10	2%	
123	800-870-0000 SERVICE SOLUTIONS	0	0%	
124	TPV	1	0%	
125	888-243-9733 TOLL BILLING	9	2%	
126	800-246-2800 UNLAWFUL CALL SOL CTR	0	0%	
127	800-585-6127 INSTALLATION HOTLINE	11	2%	
128	877-525-2375 DSL	2	0%	
129	800-427-9977 "BUSINESS OFFICE"	1	0%	
130	DMC	1	0%	
131	NEW SERVICE FOLLOWUP	1	0%	
132	DISCONNECT	1	0%	
133	TELL HOW TO USE FEATURES	1	0%	
134	WELCOME CENTER	10	2%	
135	BUSINESS ACCOUNTS	2	0%	
136	ISP CALL/VERIZON ONLINE	2	0%	
137	WIRELESS	3	1%	
138	DIFFERENT CARRIER	2	0%	
139	SUPERVISOR	0	0%	
140	OTHER	3	1%	
141	TRANSEER TO SPANISH AGENT	6	1%	
142	WAS TRANSER WARM (AGENT STAYED)?	34	8%	
143	DURATION WITH SECOND AGENT?	663	0.292715232	
144	FURTHER TRANSFERS?	14	3%	
145	[IF YES]			
146	TOTAL NUMBER OF AGENTS INVOLVED	205	9%	

FIG. 6C-3

10090234-030402

25/43

	A	C	D	E
147				
148	EXPLAIN:			
149				
150	TOPIC SUMMARY			
151	PAYMENT ARRANGEMENT	10		
152	NEW SERVICE	21		
153	ORDER FOLLOW-UP	16		
154	SALES-ADD	65		
155	SALES-REMOVE	16		
156	DISCONNECT	9		
157	PHONE DIRECTORY	1		
158	UNAUTHORIZED CALLS	9		
159	BALANCE/COPY ...	14		
160	OTHER	89		
161	REPAIR	11		
162	SPANISH	6		
163	REROUTE			
164		267		
165				
166				
167				
168				
169				
170				
171				
172				
173				
174	ROUTING SUMMARY			
175	1 OR 4-3-1 PAY ARRANGMENTS (MASTER KEY)			
176	2-1 ORDER NEW SERVICE (WELCOME CENTER)			
177	2-2 NEW SERVICE-FOLLOW-UP			
178	3-1 ADD/ADD			
179	3-2 ADD/REMOVE			
180	3-3 DISCONNECT			
181	4-1 BILLING/PHONE DIRECTORY			
182	4-2 BILLING/UNAUTHORIZED CALLS			
183	4-3-2 BALANCE/COPY/LOCATIONS/LAST PAYMENT			
184	4-3-3 OTHER			
185	5 REPAIR (REPAIR CENTER)			
186	1-2 (SPANISH)			
187	ROTARY (INITIAL TIMEOUT)			
188	INVALID, TIMEOUT, OR "0" ONCE IN IVR			
189	OTHER (UNKNOWN)			

FIG. 6C-4

26/43

DATA	CONCLUSION
1. CUSTOMER ROUTES SELF IN IVR TO WRONG AGENT 2. AGENT TRANSFERS CUSTOMER IN RESPONSE TO CUSTOMER NEED.	MISROUTING (2 OR MORE AGENTS INVOLVED INSTEAD OF 1)
1. CUSTOMER ROUTES SELF IN IVR TO WRONG AGENT 2. AGENT PERFORMS FUNCTION ANYWAY.	MISROUTING (WRONG AGENT INVOLVED)
1. AGENT PERFORMS FUNCTION. 2. FUNCTION IS AVAILABLE IN IVR.	UNDERUTILIZATION OF IVR FUNCTIONALITY.
1. AGENT PERFORMS FUNCTION 2. FUNCTION NOT CURRENTLY AVAILABLE IN IVR. 3. FUNCTION COULD POTENTIALLY BE ADDED	IVR MISSING CRUCIAL FUNCTIONALITY
1. CUSTOMERS OPTING OUT OF IVR AT FEW POPULAR POINTS. 2. IVR DOES NOT PROMPT FOR ID AT THE POINT.	MISSED OPPORTUNITY FOR AUTOMATED CUSTOMER DATA INPUT
1. AGENT STAYS ON THE LINE DURING TRANSFER 2. POLICY DOES NOT ADVOCATE A "WARM TRANSFER"	POSSIBLE POLICY VIOLATION (REGARDING WARM TRANSFERS)
1. AGENT STAYS ON THE LINE DURING TRANSFER 2. TIME ON HOLD WITH CUSTOMER SUGGESTS AGENT NOT USING SPECIAL QUEUE FOR TRANSFER	POSSIBLE POLICY VIOLATION (REGARDING USE OF FAST QUEUE FOR AGENT TRANSFERS)
1. # CUSTOMERS REMAINING SILENT IN IVR 2. PERCENTAGE OF ROTARY USERS KNOWN 3. IF 1 SUBSTANTIALLY EXCEEDS 2	CUSTOMERS REFUSING TO PLAY THE GAME
1. # CUSTOMERS COOPERATING IN IVR 2. # CUSTOMERS GETTING READOUT BEFORE ABANDONING IF 1 SUBSTANTIALLY EXCEEDS 2	CUSTOMERS RECEIVING NO BENEFIT FROM IVR THOUGH WILLING TO TRY
1. # CALLS 2. # CALLERS COMPLETING AT LEAST 1 FUNCTIONS IN IVR (INCLUDING GETTING READOUT) AND NOT GOING TO AGENT IF 1 SUBSTANTIALLY EXCEEDS 2	LOW "COMPLETE-SELF-SERVE" RATE

FIG. 6D

27/43

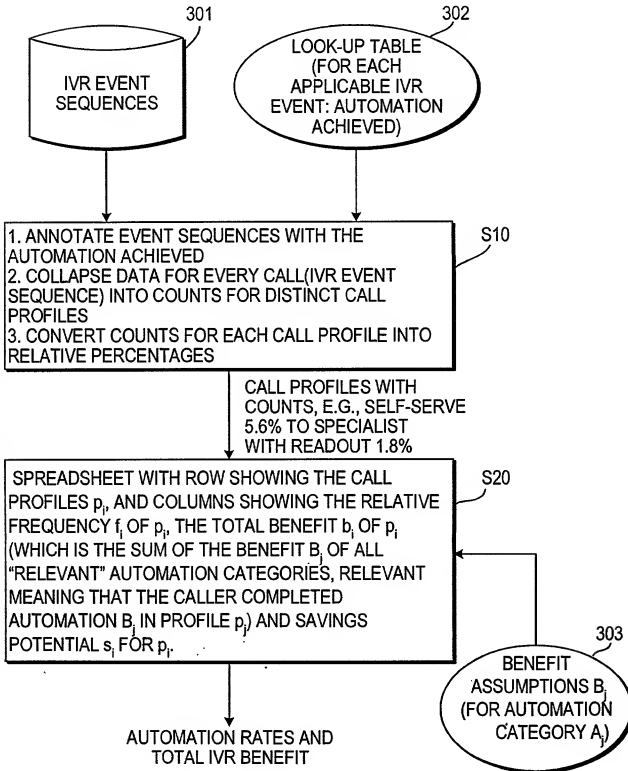


FIG. 7

CALL PROFILE (P _i)	TRAFFIC (f _i)		AUTOMATION (B _j)		BENEFIT (AGENT SECS)	
	CALLS	% CALLS	ACCOUNT #	ROUTING	INFO DELIVERY	ONE CALL AVERAGE
FULLY-AUTOMATED CALLS	72	2.0%	A	R	I	105 2.1
TRANSFERS TO SPECIALIST AFTER INFORMATION READOUT	1	0.0%	A	R	I	105 0.0
TRANSFERS TO FLOOR AFTER INFO READOUT	38	1.0%	A		I	55 0.6
TRANSFERS TO SPECIALIST W/ ID	849	23.4%		R		40 9.3
TRANSFERS TO FLOOR W/ ID	1008	27.7%	A			15 4.2
TRANSFERS TO FLOOR W/O ID	591	16.3%				
MISROUTED TO SPECIALIST W/ ID	389	10.7%	A	-R		-25 -2.7
MISROUTED TO SPECIALIST W/O ID	6	0.2%		-R		-40 -0.1
ABANDONS	681	18.7%				
TOTAL	3636	100.0%	41.5%	14.5%	3.1%	13.4

FIG. 8

AUTOMATION CATEGORY	CALLER IDENTIFICATION ("A")	INFORMATION DELIVERY ("I")	ROUTING ("R")
ASSUMED BENEFIT [AGENT SECS]	15	40	40

FIG. 9

20110201-112005001

204000-14206001

AUTOMATABLE TRANSACTIONS				30/43		AUTOMATION CATEGORY
	#OCCURRENCES	TIME SPENT	FREQUENCY	SAVINGS POTENTIAL		
ACCOUNT_BALANCE	88	27.31	21.5%	5.9	I	
NEW_PAYMENT_ARRANGEMENT	56	20.94	13.7%	2.9	T	
CURRENT_PAYMENT_ARRANGEMENT	9	22.08	2.2%	0.5	I	
ZIP_CODE	2	9.48	0.5%	0.0	A	
PAYMENT_LOCATION	18	21.3	4.4%	0.9	I	
BALANCED_PAYMENT_PLAN_AMOUNT	6	21.8	1.5%	0.3	I	
RULES_12_AND_22	11	13.5	2.7%	0.4	I	
NEW_APPOINTMENT_DATE_TIME	84	14.51	20.5%	3.0	A	
IS_GAS_APPLIANCE	3	24.75	0.7%	0.2	A	
IS_NOT_GAS_APPLIANCE	3	9.22	0.7%	0.1	A	
NEW_APPOINTMENT_CONFIRMATION_TELEP	82	18.26	20.0%	3.7	A	
NEW_APPOINTMENT_LOCATION	66	15.19	16.1%	2.5	A	
NEW_APPOINTMENT_DOG	57	11.72	13.9%	1.6	A	
NEW_APPOINTMENT_MULTIL_OR_SINGLE		0	0.0%	0.0	A	
NEW_APPOINTMENT_ADULT_PRESENT	5	5.29	1.2%	0.1	A	
APPOINTMENT_DETAILS_CONFIRMATION	13	36.14	3.2%	1.1	T	
TOTAL NUMBER OF ANNOTATED CALLS	409			23.1		

WEIGHTED OPPORTUNITY: 16.6

%HANDLED BY AGENT 72%

FIG. 10

CUSTOMER CONTACT TYPE	% CALLS	AUTOMATION CATEGORIES			
		CUSTOMER ID	ROUTING	INFO DELIVERY	TRANSACTION
CUSTOMER SERVICE	8.7%	X			
BALANCE BILLING	36.7%	X	X	X	
PAYMENT ARRANGEMENTS	13.0%	X	X	X	X
PAYMENT OPTIONS	4.0%	X	X	X	
TURN ON	3.0%				
RATES	1.3%		X	X	
STOP SERVICE	3.5%	X			
SERVICE	11.5%	X			
APPOINTMENT	16.5%	X	X	X	X
EMERGENCY	1.8%	X			
TOTAL/UPPER BOUNDS	100.0%	95.7%	71.5%	71.5%	29.5%

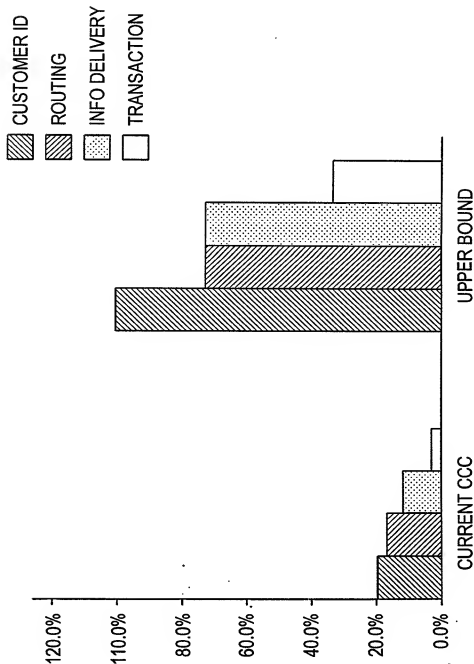
HOW TO TRANSFORM UPPER BOUNDS ON AUTOMATION TO AGENT TIME SAVING OPPORTUNITIES:

BENEFIT ASSUMPTION [AGENT SECS PER CALL]

BENEFIT [AGENT SECS]	15	5	40	40
	14.355	3.575	28.6	11.8
TOTAL OPPORTUNITY	58.33			

$95.7\% \times 15 = 14.355$

FIG. 11



EXISTING AUTOMATION LEVELS AND UPPER BOUNDS ON AUTOMATION RATES

FIG. 12

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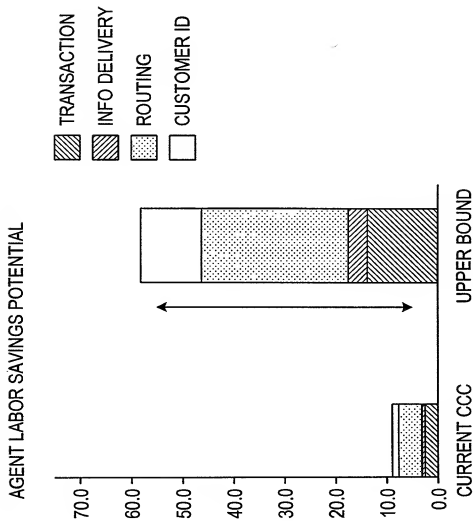
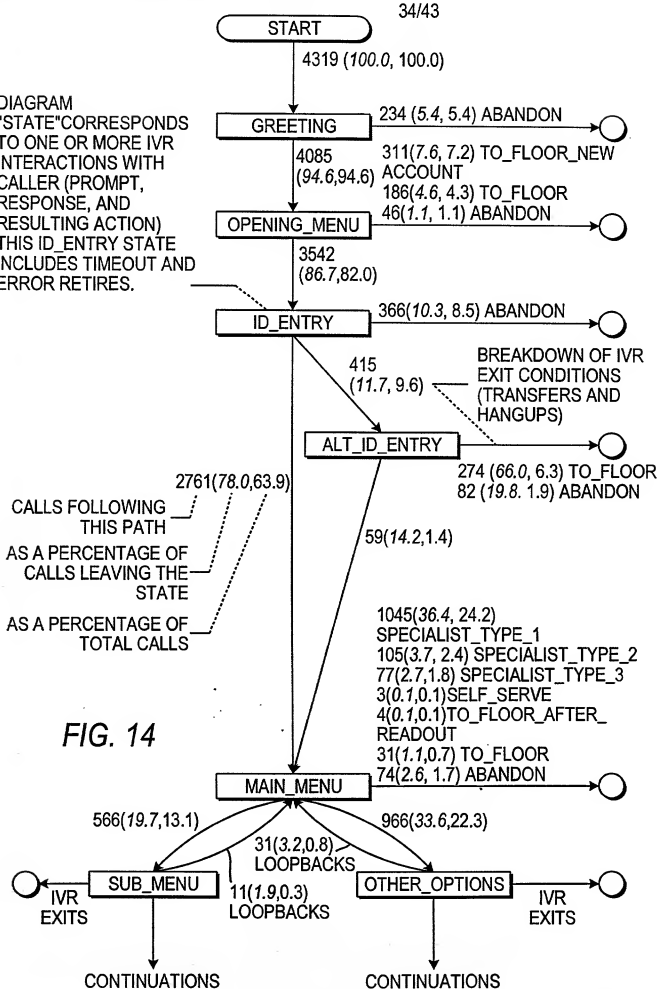


FIG. 13

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DIAGRAM
 "STATE" CORRESPONDS
 TO ONE OR MORE IVR
 INTERACTIONS WITH
 CALLER (PROMPT,
 RESPONSE, AND
 RESULTING ACTION)
 THIS ID_ENTRY STATE
 INCLUDES TIMEOUT AND
 ERROR RETIRES.



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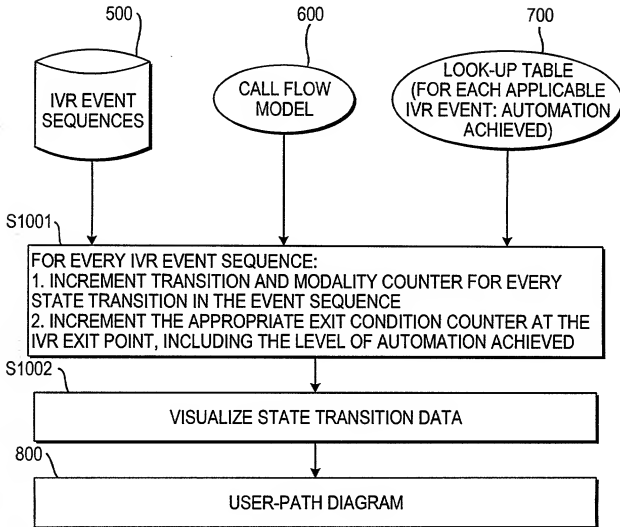


FIG. 15

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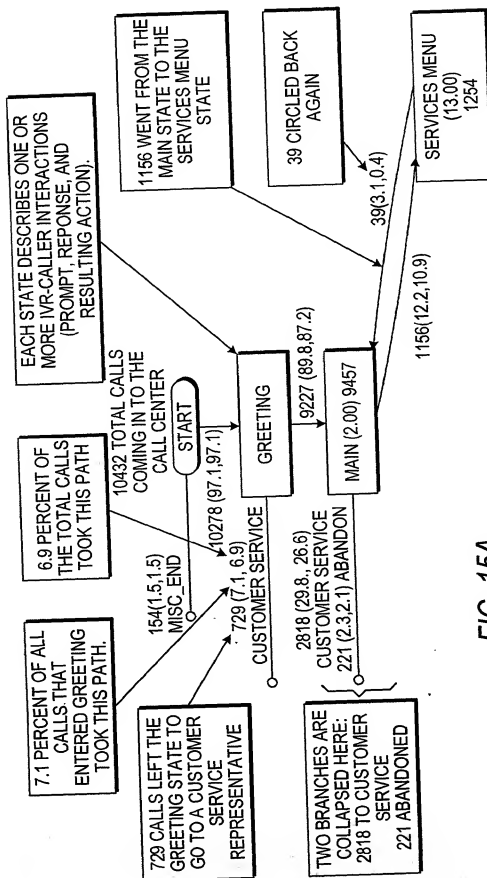


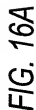
FIG. 15A

TRUE CALL TYPE (FROM AGENT INTERACTION)					CALLS BY ROUTING	CORRECTLY ROUTED
CALLER'S IT MENU CHOICE	SPECIALTY			FLOOR		
	SPECIALTY 1	SPECIALTY 2	SPECIALTY 3			
SPECIALTY 1	33	0	16	16	65	51%
SPECIALTY 2	0	24	0	0	24	100%
SPECIALTY 3	0	2	8	0	10	80%
FLOOR	22	10	26	150	208	72%
CALLS BY TRUE TOPIC TOPIC VOLUME CORRECTLY IDENTIFIED	55	36	50	166	307	
	18%	12%	16%	54%	100%	
	60%	67%	16%	90%	70%	OVERALL ACCURACY

DIAGONAL = CORRECTLY ROUTED
OTHERS = MISROUTED

DIAGONAL = CORRECTLY ROUTED
 OTHERS = MISROUTED

FIG. 16



204050-14206001

A	B	C	D	E	F	G	H
1	FILENAME	MR EXIT	MR INFORMATION	IVR ROUTING DEST	FIRST AGENT	FIRST AGENT	FIRST TOPIC
2	/DAM/TRANS/	INCOMPLETE	PAGT. STARTHOME	SERVICE RULES 12 AND 22 READOUT	TURN	TURN	STRT
3	/DAM/TRANS/	INCOMPLETE	PAGT. NEWPAYMENTARR	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-CHG
4	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMTELEPHON	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
5	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMBILLING	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
6	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMBILLING	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	ECI
7	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMBILLING	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	RSTR
8	/DAM/TRANS/	INCOMPLETE	PAGT. DUSTATFAILURE	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	OTH
9	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
10	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
11	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMCONFIRM	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
12	/DAM/TRANS/	INCOMPLETE	PAGT. START. COMM	RULES 12 AND 22 READOUT	TURN	TURN	CHNG
13	/DAM/TRANS/	INCOMPLETE	PAGT. NEWPAYMENTARR	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
14	/DAM/TRANS/	INCOMPLETE	PAGT. STARTCLEANANDSHO	RULES 12 AND 22 READOUT	TURN	TURN	CHNG
15	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMBILLING	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
16	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMNEWPAY	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
17	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
18	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMDUPLICATE	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
19	/DAM/TRANS/	INCOMPLETE	PAGT. STARTGASHOME	RULES 12 AND 22 READOUT	TURN	TURN	ECI
20	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMTELEPHON	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	STRT
21	/DAM/TRANS/	INCOMPLETE	PAGT. NEWPAYMENTARR	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	BAL
22	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMTELEPHON	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
23	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMCONFIRM	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
24	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY
25	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	OTH
26	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
27	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	RSTR
28	/DAM/TRANS/	INCOMPLETE	PAGT. STARTHOME	SERVICE RULES 12 AND 22 READOUT	TURN	TURN	STRT
29	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
30	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
31	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	STRT
32	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMNEWPAY	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
33	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMTELEPHON	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
34	/DAM/TRANS/	INCOMPLETE	PAGT. XFERFROMTELEPHON	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
35	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMBILLING	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK
36	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	BIL
37	/DAM/TRANS/	INCOMPLETE	PAGT. CSRFROMMAIN	CALLING FROM SERVICE LOCATION, CONFIRM, ADDR	PAYMENTX	PAYMENTX	PAY-MAK

FIG. 17

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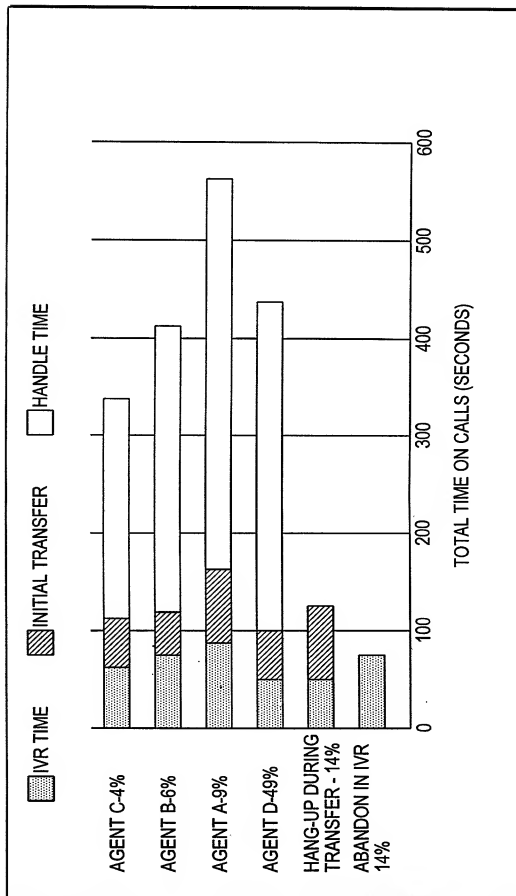


FIG. 18

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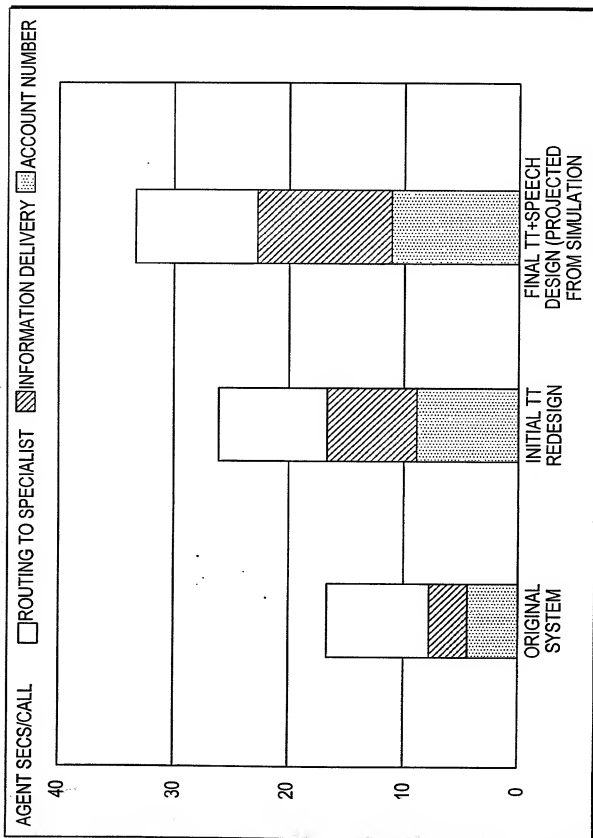


FIG. 19

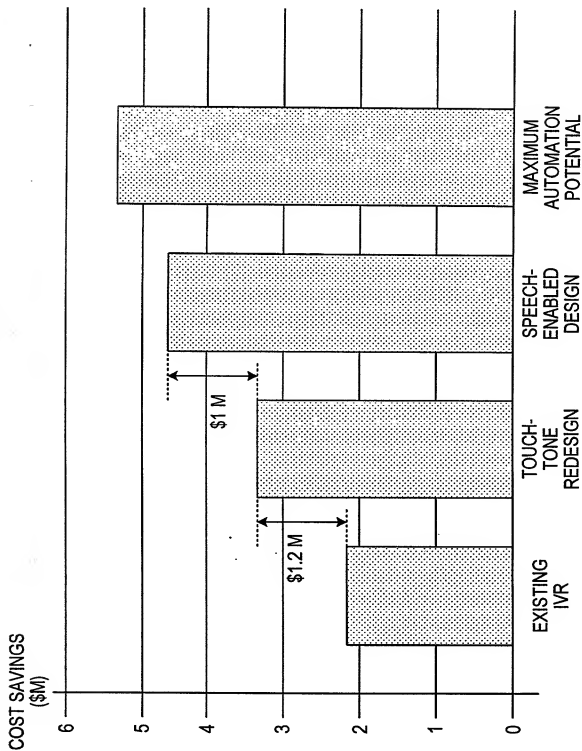


FIG. 19A

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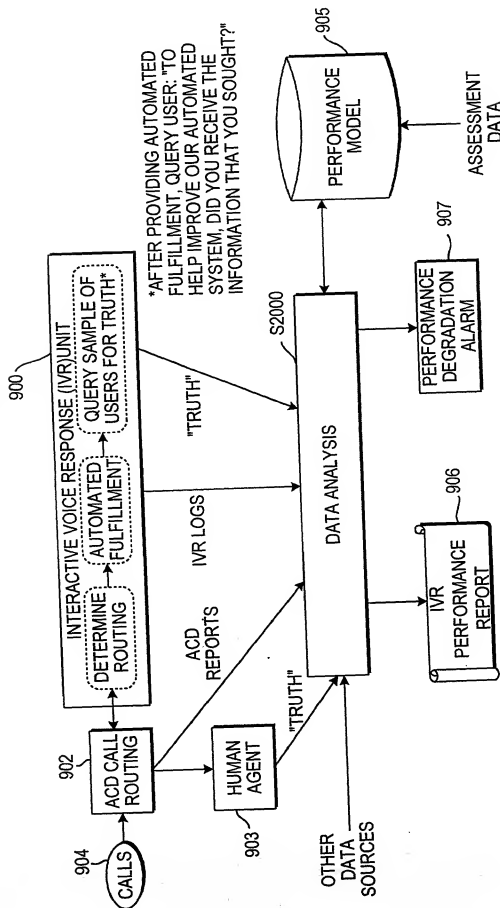


FIG. 20